

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,984,490 B1  
APPLICATION NO. : 09/714602  
DATED : January 10, 2006  
INVENTOR(S) : David William Holden

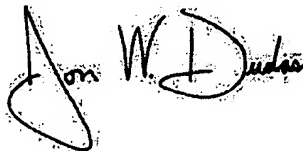
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 19, line 39, insert --10801-- between "Collection," and "University".  
Column 21, line 46, delete "5A and 5D" and replace it with --5A through 5D--.  
Column 22, line 1, insert a comma --,-- between "8A" and "8B".  
Column 22, line 45, delete "FIG. 11 shows" and replace it with --FIGS. 11A through 11BW show--.  
Column 22, line 47, delete "FIG. 2" and replace it with --FIG. 8--.  
Column 22, lines 48-49, delete "all six" and replace it with --the three forward--.  
Column 22, line 49, insert --(the amino acid sequences in the "a" reading frame are SEQ ID Nos. 45-187, the amino acid sequences in the "b" reading frame are SEQ ID Nos. 188-356, and the amino acid sequences in the "c" reading frame are SEQ ID Nos. 357-501)-- between "frames" and "and the start".  
Claim 17, column 340, line 22, insert a comma --,-- between "*Campylobacter jejuni*" and "*Clostridium botulinum*".  
  
Claim 17, Column 340, line 23, insert a comma --,-- between "*Haemophilus decreyi*" and "*Haemophilus influenzae*".

Signed and Sealed this

Second Day of January, 2007



JON W. DUDAS  
Director of the United States Patent and Trademark Office